

Akash Madduru (Software Engineer II)

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👤 Full Stack Engineer

Full Stack Software Engineer with **5+ years of experience** designing and building scalable web and mobile applications across **enterprise, eCommerce, AI, blockchain, and fintech** domains. Proficient in **Java, Spring Boot, Python, Node.js, React, Vue.js, Flutter, and cloud-native technologies**, with a proven track record of improving application performance by **up to 60%**, modernising legacy systems, strengthening application security, and delivering reliable, production-ready software. Experienced in building end-to-end products, optimising distributed systems, implementing automated testing, and driving engineering excellence through clean architecture, performance optimisation, and scalable software design in Agile environments.

📁 Work Experience

Software Engineer II, Factset

05/2026 – Present | Hyderabad

- Enhanced and maintained enterprise applications by delivering new features, resolving production defects, and refactoring legacy components to improve stability and performance.
- Leveraged **AI-assisted development tools** to accelerate implementation, debugging, code reviews, and developer productivity.
- Built a **Vitest-based Unit Testing PoC** and championed **Test-Driven Development (TDD)** practices, achieving **72% unit test coverage** and significantly reducing regression defects.
- Mentored engineers through code reviews, promoting clean architecture, coding standards, and maintainable software design.
- Cooperated with Product Owners and cross-functional teams in a **Scrum Agile** environment using **Jira** to deliver high-quality features on schedule.

Associate IT Consultant, Mivada Technologies Pvt Ltd

08/2024 – Present | Hyderabad

- Led backend development of the **Western Sydney Airport Card Management System** using **Spring Boot, Spring Security, and OAuth2**.
- Refactored the legacy codebase, improving **application performance by up to 60%** while significantly enhancing scalability and maintainability.
- Migrated **65%** of the frontend from the **Vue Options API** to the **Composition API**, improving modularity, code reuse, and developer productivity.
- Built a **Unit Testing PoC**, increasing deployment reliability and contributing to a **90%+ deployment success rate**.
- Optimised multi-provider **OAuth2** authentication, strengthening security and streamlining user authentication.
- Resolved critical **P1/P2 production incidents**, maintaining high system availability and rapid issue resolution.
- Received outstanding client recognition for consistently delivering high-quality solutions, production support, and technical leadership.

Full Stack Developer, Axlr Data

03/2024 – 07/2024 | Hyderabad

- Developed and maintained scalable custom eCommerce platforms using modern frontend and backend technologies.
- Optimised existing backend APIs, improving response times and overall application performance by **10%**.
- Redesigned payment processing and inventory management workflows, improving operational efficiency by approximately **30%**.
- Integrated secure payment gateways and inventory modules to improve transaction reliability and order processing.
- Performed root-cause analysis and resolved production issues, significantly improving platform stability.
- United with designers and backend engineers in Agile teams to rapidly deliver customer-facing features.

Software Engineer, Artemis Network

09/2021 – 02/2024 | Bangalore

- Led the **end-to-end development** of the **AxleGames** platform, delivering scalable features from architecture and development to production deployment.
- Developed **5+ interactive games** with **leaderboards, automated contests, user profiles, and social features**, significantly improving user engagement and retention.
- Built **RenderVerse**, an AI-powered platform integrating **6+ AI tools** into a unified workspace for content generation, automation, and productivity.
- Engineered **AI-powered chatbots** and real-time messaging features, enhancing customer support and user interaction.
- Built a high-performance cross-platform **NFT Marketplace** using **Flutter**, delivering a **60 FPS** smooth, responsive experience across Android and iOS.
- Designed and developed scalable **RESTful** and **GraphQL APIs** using **Python Flask** and **Express.js**, supporting web, mobile, and blockchain applications.
- Automated backend workflows using asynchronous programming and scheduled jobs, improving operational efficiency and reducing manual intervention.
- Developed responsive marketing websites and product landing pages with a strong focus on performance, accessibility, and user experience.

Skills

- **Languages:** Java, Python, JavaScript (ES6+), TypeScript
- **Frontend:** React, Next.js, Vue.js, Flutter
- **Backend:** Spring Boot, Node.js, Express.js, FastAPI
- **Databases:** PostgreSQL, MongoDB, Redis
- **Messaging & Caching:** Apache Kafka, Redis Cache
- **Cloud & DevOps:** AWS, Azure, Docker
- **Testing:** Vitest, JUnit, Mockito
- **Architecture & APIs:** Microservices, REST APIs, GraphQL, OAuth2
- **Tools & Platforms:** Git, Linux, Jira, Postman

Compétences

- Software Engineering
- System Design & Architecture
- Problem Solving
- Performance Optimization
- Agile & Scrum
- Test-Driven Development (TDD)
- Clean Code & Refactoring
- Technical Leadership & Mentoring
- Cross-functional Collaboration
- Analytical Thinking
- CI/CD & DevOps Practices
- Production Support & Incident Management